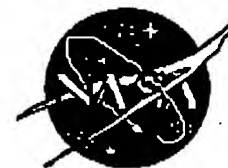


National Aeronautics and
Space Administration

RECEIVED
CENTRAL FAX CENTER
DEC 23 2005



Ames Research Center
Moffett Field, California 94035-1000

Date: 23 December 2005

Number of pages including cover sheet: 18

TO:	Mail Stop Amendment Attn: Elizabeth D. Ivey, Patent Examiner GAU 1775	
OF:	USPTO	
FAX:	571-273-8300	PHONE:
FROM:	Vickie Kent Paralegal Specialist	
OF:	NASA Ames Research Center Mail Stop 202A-4 Moffett Field, CA 94035-1000	
FAX:	(650) 604-2767	PHONE: (650) 604-0887

Appl. No.: 10/758,611

Examiner: Elizabeth D. Ivey

Applicant: David A. Stewart, et al.

Docket No.: ARC-14743-1

Filed: 14 January 2004

Customer No.: 25186

TC/A.U.: 1775

Confirmation No. 7529

The following correspondence is attached:

Transmittal Form (1 page)

Fee Transmittal Form (1 page, in duplicate)

Petition to Extend Time for Reply (1 page, in duplicate)

Response to Office Action (12 pages)

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office

on 23 December 2005
Date

Vickie L. Kent
Signature

Vickie L. Kent

Typed or printed name of person signing Certificate

Privacy and Confidentiality

This document contains confidential information protected by the attorney-client or other applicable privileges, or constitutes non-public information. It is intended only for the designated recipient(s). Use, dissemination, distribution, or reproduction of this information by unintended recipients is not authorized.

PTO/SB/21 (09-04)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages In This Submission

9

Application Number

10/758,811

Filing Date

14 January 2004

First Named Inventor

David A. Stewart, et al.

Art Unit

1775

Examiner Name

Elizabeth D. Ivey

Attorney Docket Number

ARC-14743-1

**RECEIVED
CENTRAL FAX CENTER
DEC 23 2005****ENCLOSURES (Check all that apply)**

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/
Incomplete ApplicationReply to Missing Parts
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a
Provisional ApplicationPower of Attorney, Revocation
Change of Correspondence Address

Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____

☐ Landscape Table on CD

Remarks



After Allowance Communication to TC

Appeal Communication to Board
of Appeals and InterferencesAppeal Communication to TC
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify
below):

Fax Cover/Transmission Certificate (1 page)

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

NASA Ames Research Center

Signature

John F. Schipper

Printed name

John F. Schipper

Date

23 December 2005

Reg. No.

28,994

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Vickie L. Kent

Typed or printed name

Vickie L. Kent

Date

23 December 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2008. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4918).

FEE TRANSMITTAL
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 200.00

Complete if Known

Application Number	10/758,611
Filing Date	14 January 2004
First Named Inventor	David A. Stewart, et al.
Examiner Name	Elizabeth D. Ivey
Art Unit	1775
Attorney Docket No.	ARC-14743-1

RECEIVED
CENTRAL FAX CENTER
DEC 23 2005**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 14-0116 Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims		
Extra Claims		
Fee (\$)		
Fee Paid (\$)		

46 - 20 or HP = 0 x 0 = 0

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$)

3 - 3 or HP = 1 x 200 = 200

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____	_____	_____

_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): _____

Fees Paid (\$)

SUBMITTED BY

Signature	<i>John F. Schipper</i>	Registration No. (Attorney/Agent)	26,994	Telephone (640) 604-0887
Name (Print/Type)	John F. Schipper	Date	23 December 2005	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.